504772828 02/12/2018

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4819556

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SHENGJI YANG	01/03/2018
XUE DONG	01/03/2018
JING LV	01/03/2018
XIAOCHUAN CHEN	01/03/2018
DONGNI LIU	01/03/2018
LI WANG	01/03/2018
PENGCHENG LU	01/03/2018
LI XIAO	01/03/2018
HAN YU	01/03/2018
JIE FU	01/03/2018
WENQING ZHAO	01/03/2018
YAFENG YANG	01/03/2018

#### **RECEIVING PARTY DATA**

Name:	BOE TECHNOLOGY GROUP CO., LTD.	
Street Address:	NO. 10 JIUXIANQIAO RD.	
Internal Address:	CHAOYANG DISTRICT	
City:	BEIJING	
State/Country:	CHINA	
Postal Code:	100015	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15750924

#### **CORRESPONDENCE DATA**

**Fax Number:** (216)241-0816

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 216-622-8674

**Email:** ipdocket@calfee.com, kbuzinski@calfee.com

Correspondent Name: KENNETH J. SMITH

Address Line 1: CALFEE, HALTER & GRISWOLD LLP

REEL: 045302 FRAME: 0801

PATENT

Address Line 2:	THE CALFEE BUILDING, 1405 EAST SIXTH ST.
Address Line 4:	CLEVELAND, OHIO 44114
ATTORNEY DOCKET NUMBER:	31411/04496
NAME OF SUBMITTER:	KENNETH J. SMITH
SIGNATURE:	/ken smith/
DATE SIGNED:	02/12/2018
Total Attachments: 24	
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Title of Invention	In-Cell Transparent Touch Display Panel,  Manufacturing Method and Driving Method thereof		
As a below named inventor, I hereby declare that:			
This declaration is directed to:  The attached application, or  United States application or PCT international application numberfiled on  The above-identified application was made or authorized to be made by me.  I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.			
	knowledge that any willful false statement made in this declaration is under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) oth.		

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR"), do hereby:

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TO BE BINDING on the heirs; assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

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LEGAL NAME C	F INVENTOR		
Inventor:	Shengji YANG	Date:	JAN. 5. 2018
Signature:	Stenyji Yanu		
	<i>J</i>		

Title of Invention	In-Cell Transparent Touch Display Panel,  Manufacturing Method and Driving Method thereof		
As a below	As a below named inventor, I hereby declare that:		
This declar	☑ The attached application, or		
The above-i	United States application or PCT international application numberfiled on dentified application was made or authorized to be made by me.		
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LEGAL NAME (	OF INVENTOR	
Inventor:	Xue DONG	Date: Jan 3, 2018
Signature:	Xue Don G	<u> </u>

Title of Invention	In-Cell Transparent Touch Display Panel,  Manufacturing Method and Driving Method thereof		
As a below	As a below named inventor, I hereby declare that:		
This declar	ration		
is directed	to: For the attached application, or		
	United States application or PCT international application numberfiled on		
The above-	identified application was made or authorized to be made by me.		
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.			
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LEGAL NAME C	OF INVENTOR	
Inventor:	Jing LV	Date: Jon. 3. 2018
Signature:	Jing LV.	

Title of Invention	In-Cell Transparent Touch Display Panel,  Manufacturing Method and Driving Method thereof			
As a below	As a below named inventor, I hereby declare that:			
This decla	☑ The attached application or			
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The above-	identified application was made or authorized to be made by me.			
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LEGAL NAME (	OF INVENTOR			
Inventor:	Xiaochuan CI	HEN	Date:	Jan. 3. 2018
Signature:	Xloachuan	CHEN		

Title of Invention	In-Cell Transparent Touch Display Panel, Manufacturing Method and Driving Method thereof	
As a below	named inventor, I hereby declare that:	
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LEGAL NAME	OF INVENTOR	
Inventor:	Dongni LIU	Date: Jon 3 2018
Signature:	Dongsi LIU	

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As a below	As a below named inventor, I hereby declare that:		
This decla	☑ The attached application or		
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LEGAL NAME	OF INVENTOR	
Inventor:	Lei WANG	Date: Jon. 3. 24 18
Signature:	Lei WAN 5	

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I acknowledge the duty to disclose to the United States Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part.

LEGAL NAME O	F INVENTOR		
Inventor:	Pengcheng LU	Date:	Jan. 3. 2018
Signature:	Reng chang LII		

Title of Invention	In-Cell Transparent Touch Display Panel,  Manufacturing Method and Driving Method thereof		
As a below	As a below named inventor, I hereby declare that:		
This decla	☑ The attached application or		
United States application or PCT international application number filed on  The above-identified application was made or authorized to be made by me.			
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.			
1	knowledge that any willful false statement made in this declaration is under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) oth.		

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR"), do hereby:

SELL, ASSIGN AND TRANSFER to BOE TECHNOLOGY GROUP CO., LTD., having a place of business at No.10 Jiuxianqiao Rd., Chaoyang District, Beijing, 100015, P. R. China (each hereinafter referred to as "ASSIGNEE"), the entire right, title and interest for the United States and all foreign countries in and to any and all inventions which are disclosed in the above-identified application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, which claims priority to PCT/CN2017/096393 filed on August 8, 2017; which in turn claims priority to CN 201610698497.8 filed on August 19, 2016; such applications and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such inventions; all original and reissued patents which have been or shall be issued in the United States and all foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such inventions to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such inventions; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such inventions and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such inventions in the Assignee, and for securing, maintaining and enforcing proper patent protection for such inventions;

TO BE BINDING on the heirs; assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the agents and attorneys of CALFEE, HALTER & GRISWOLD LLP the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

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LEGAL NAME	OF INVENTOR		
Inventor:	Li XIAO	Date:_	Jon. 3. 2018
Signature:	LIXIAO		

Title of Invention	In-Cell Transparent Touch Display Panel, Manufacturing Method and Driving Method thereof	
As a below	named inventor, I hereby declare that:	
This declaration is directed to:  United States application or PCT international application numberfiled on  The above-identified application was made or authorized to be made by me.		
believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		

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LEGAL NAME	OF INVENTOR		2
Inventor:	Han YUE	Date:	Jon. 3. 2018
Signature:	Hon YUE		

Title of Invention	In-Cell Transparent Touch Display Panel, Manufacturing Method and Driving Method thereof		
As a below	As a below named inventor, I hereby declare that:		
This decla	ration		
is directed	to: F The attached application, or		
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The above-identified application was made or authorized to be made by me.			
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.			
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LEGAL NAME OF INVENTOR				
Inventor:	Jie FU	Date: Jou. 1, 2018		
Signature:	JieFu			

Title of Invention	In-Cell Transparent Touch Display Panel, Manufacturing Method and Driving Method thereof				
As a below named inventor, I hereby declare that:					
This declaration is directed to:    The attached application, or					
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.					
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LEGAL NAME OF	FINVENTOR	
Inventor:	Wenqing ZHAO	Date:
Signature:	Wenging 2HAO	

Title of Invention	In-Cell Transparent Touch Display Panel,  Manufacturing Method and Driving Method thereof				
As a below named inventor, I hereby declare that:					
This declaration is directed to:  F The attached application, or					
	United States application or PCT international application numberfiled on				
The above-identified application was made or authorized to be made by me.					
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.					
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LEGAL NAME OF INVENTOR				
Inventor:	Yafeng YANG	Date:	Jan. 3. 2018	
Signature:	Yafeny XAWL			
	1			